

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---------------------------|------------------|---------|---------------------|
| L1    | 128  | 606/200.CQLS. AND<br>@pd> "20090409"   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2009/11/19<br>13:12 |
| S193  | 90   | (US-20060058832-\$ or US-<br>20060030876-\$ or US-<br>20060052815-\$ or US-<br>20050216049-\$ or US-<br>20040093015-\$ or US-<br>20030130682-\$ or US-<br>20030050662-\$ or US-<br>20020183783-\$ or US-<br>20030109897-\$ or US-<br>20010039431-\$ or US-<br>20030014073-\$ or US-<br>20020062134-\$ or US-<br>20050070952-\$ or US-<br>20030055493-\$ or US-<br>20030208227-\$ or US-<br>20010031980-\$ or US-<br>20050027192-\$ or US-<br>20040127787-\$ or US-<br>20030004411-\$ or US-<br>20080249611-\$ or US-<br>20020151928-\$ or US-<br>20020095171-\$ or US-<br>20010031981-\$ or US-<br>20090043332-\$ or US-<br>20080262532-\$ or US-<br>20060036279-\$).did. or<br>(US-20050192619-\$ or US-<br>20050187564-\$ or US-<br>20030236533-\$ or US-<br>20030208226-\$ or US-<br>20030040771-\$ or US-<br>20030009191-\$ or US-<br>20040186512-\$).did. or<br>(US-6979343-\$ or US-<br>6974469-\$ or US-7011672-<br>\$ or US-6872217-\$ or US-<br>6969395-\$ or US-6626940-<br>\$ or US-6423086-\$ or US-<br>6379374-\$ or US-6540767-<br>\$ or US-6416530-\$ or US-<br>6156061-\$ or US-6113622-<br>\$ or US-6346116-\$ or US-<br>6273900-\$ or US-6068645-<br>\$ or US-5989281-\$ or US-<br>5827324-\$ or US-5234458- | US-PGPUB;<br>USPAT        | OR               | ON      | 2009/11/16<br>19:15 |

|      |   |   |  |    |    |                     |
|------|---|---|--|----|----|---------------------|
|      |   | \$ or US-5540712-\$ or US-5067957-\$ or US-5941869-\$ or US-5727552-\$ or US-6847837-\$ or US-6280385-\$ or US-6482222-\$ or US-6340364-\$).did. or (US-6174318-\$ or US-6485497-\$ or US-6066158-\$ or US-5531788-\$ or US-7179274-\$ or US-6059825-\$ or US-4957501-\$ or US-6793665-\$ or US-5413586-\$ or US-4590938-\$ or US-4580568-\$ or US-7316701-\$ or US-7211107-\$ or US-6508833-\$ or US-7097651-\$ or US-6258114-\$ or US-5980554-\$ or US-6984240-\$ or US-6939362-\$ or US-6929654-\$ or US-6860893-\$ or US-6855155-\$ or US-6656218-\$ or US-6755813-\$ or US-6749619-\$ or US-6638291-\$ or US-6592605-\$).did. or (US-6514273-\$ or US-6436112-\$ or US-5968071-\$ or US-5344427-\$).did. |  |    |    |                     |
| S192 | 2 | "5,938,645".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>18:53 |
| S191 | 2 | "6,224,612".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>18:50 |
| S190 | 2 | "4,655,219".PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>18:35 |
| S189 | 2 | "6,238,412".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>18:33 |
| S188 | 1 | "5698071".pn.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/11/16<br>18:16 |
| S187 | 1 | "6656218".pn.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/11/16<br>18:08 |

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| S186 | 53 | ("4494531"   "4643184"   "4655771"   "4688553"   "4727873"   "4954126"   "5035706"   "5059205"   "5104399"   "5133733").<br>PN. OR ("5344427").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>18:01 |
| S185 | 1  | "5344427".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/11/16<br>17:54 |
| S184 | 1  | "5968071".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/11/16<br>17:47 |
| S183 | 1  | "6165194".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2009/11/16<br>16:37 |
| S182 | 89 | (US-20060058832-\$ or US-20060030876-\$ or US-20060052815-\$ or US-20050216049-\$ or US-20040093015-\$ or US-20030130682-\$ or US-20030050662-\$ or US-20020183783-\$ or US-20030109897-\$ or US-20010039431-\$ or US-20030014073-\$ or US-20020062134-\$ or US-20050070952-\$ or US-20030055493-\$ or US-20030208227-\$ or US-20010031980-\$ or US-20050027192-\$ or US-20040127787-\$ or US-20030004411-\$ or US-20080249611-\$ or US-20020151928-\$ or US-20020095171-\$ or US-20010031981-\$ or US-20090043332-\$ or US-20080262532-\$ or US-20060036279-\$).did. or (US-20050192619-\$ or US-20050187564-\$ or US-20030236533-\$ or US-20030208226-\$ or US-20030040771-\$ or US-20030009191-\$ or US-20040186512-\$).did. or (US-6979343-\$ or US-6974469-\$ or US-7011672-\$ or US-6872217-\$ or US-6969395-\$ or US-6626940-\$ or US-6423086-\$ or US-6379374-\$ or US-6540767-\$ or US-6416530-\$ or US-6156061-\$ or US-6113622- | US-PGPUB;<br>USPAT        | OR | ON | 2009/11/16<br>16:24 |

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|------|----|--|---------------------------|----|----|---------------------|
|      |    | \$ or US-6346116-\$ or US-6273900-\$ or US-6068645-\$ or US-5989281-\$ or US-5827324-\$ or US-5234458-\$ or US-5540712-\$ or US-5067957-\$ or US-5941869-\$ or US-5727552-\$ or US-6847837-\$ or US-6280385-\$ or US-6482222-\$ or US-6340364-\$).did. or (US-6174318-\$ or US-6485497-\$ or US-6066158-\$ or US-5531788-\$ or US-7179274-\$ or US-6059825-\$ or US-4957501-\$ or US-6793665-\$ or US-5413586-\$ or US-4590938-\$ or US-4580568-\$ or US-7316701-\$ or US-7211107-\$ or US-6508833-\$ or US-7097651-\$ or US-6258114-\$ or US-5980554-\$ or US-6984240-\$ or US-6939362-\$ or US-6929654-\$ or US-6860893-\$ or US-6855155-\$ or US-6656218-\$ or US-6755813-\$ or US-6749619-\$ or US-6638291-\$ or US-6592605-\$).did. or (US-6514273-\$ or US-6436112-\$ or US-5968071-\$).did. |                           |    |    |                     |
| S181 | 65 | ("4727873"   "4817600"   "4969891"   "5059205"   "5133733"   "5300086"   "5324304"   "5344427"   "5634942"   "5725550").PN. OR ("5968071").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>16:15 |
| S180 | 1  | "5968071".pn.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>15:59 |
| S179 | 1  | "6656218".pn.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>15:01 |
| S178 | 19 | ("20030208226"   "20040186512"   "3952747"   "4727873"   "5466242"   "5554181"   "5733294"   "5957949"   "5980554"   "6064428"   "6251122"   "6258114"   "6299637"   "6440164"   "6482222"   "6494909"   "6508833"   "6613074"   "6793665").PN. OR ("7211107").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>14:38 |

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| S177 | 851 | 606/200.ccls.   | USPAT                     | OR | ON | 2009/11/16<br>14:30 |
| S176 | 1   | "6635069".pn.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>12:58 |
| S175 | 9   | ("4494531"   "4619246"  <br>"4957501"   "5531788"  <br>"5720764"   "5776162"  <br>"5893869"   "6059825"  <br>"6482222").PN. OR<br>("7179274").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>11:37 |
| S174 | 1   | "6482222".pn.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>11:36 |
| S173 | 57  | ("4756711"   "4873978"  <br>"4957501"   "4994069"  <br>"5152777").PN. OR<br>("5531788").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>11:31 |
| S172 | 255 | ("20020010481"  <br>"20020052626"  <br>"2002138097A1"  <br>"20030139765"  <br>"2003163159A1"  <br>"20040116959"  <br>"20050004596"  <br>"20050251197"  <br>"3472230"   "3592186"  <br>"3683904"   "3889657"  <br>"3952747"   "3996938"  <br>"4046150"   "4425908"  <br>"4447227"   "4580568"  <br>"4590938"   "4619246"  <br>"4631052"   "4643184"  <br>"4650466"   "4662885"  <br>"4705517"   "4706671"  <br>"4723549"   "4727873"  <br>"4728319"   "4733665"  <br>"4790812"   "4790813"  <br>"4793348"   "4794928"  <br>"4794931"   "4800882"  <br>"4807626"   "4817600"  <br>"4842579"   "4842579"  <br>"4857045"   "4857046"  <br>"4867157"   "4873978"  <br>"4898575"   "4907336"  <br>"4921478"   "4921484"  <br>"4926858"   "4950277"  <br>"4955895"   "4957482"  <br>"4957501"   "4969891"  <br>"4979951"   "4986807"  <br>"4998539"   "5002560"  <br>"5007896"   "5007917"  <br>"5011488"   "5019088"  <br>"5041126"   "5053008"  <br>"5053044"   "5059204"  <br>"5059204"   "5071407" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>11:27 |

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| "5108418" | "5108419" |
| "5133733" | "5135531" |
| "5152771" | "5152777" |
| "5160342" | "5171233" |
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| "5217484" | "5224953" |
| "5306286" | "5314444" |
| "5314472" | "5318576" |
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| "5413586" | "5415630" |
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| "5462529" | "5476104" |
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| "5728066" | "5746758" |
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| "5800525" | "5810874" |
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| "5906618" | "5908435" |
| "5910154" | "5911734" |
| "5916193" | "5925016" |
| "5925060" | "5925062" |
| "5925063" | "5928203" |
| "5928218" | "5934284" |

|      |     |   |                           |    |    |                     |
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|      |     | "5935139"   "5938645"  <br>"5941869"   "5941896"  <br>"5947995"   "5951585"  <br>"5954745"   "5968071"  <br>"5976172"   "5980555"  <br>"5989210"   "5989271"  <br>"5989281"   "5993469"  <br>"5997557"   "6001118"  <br>"6007557"   "6010522"  <br>"6013085"   "6027520"  <br>"6042598"   "6051014"  <br>"6051015"   "6053932"  <br>"6059814"   "6066149"  <br>"6066158"   "6068645"  <br>"6080178"   "6086605"  <br>"6117154"   "6129739"  <br>"6136016"   "6142987"  <br>"6152946"   "6165200"  <br>"6168579"   "6171327"  <br>"6171328"   "6179851"  <br>"6179859"   "6179861"  <br>"6203561"   "6206868"  <br>"6214025"   "6214026"  <br>"6221006"   "6224620"  <br>"6231544"   "6231589"  <br>"6235044"   "6235045"  <br>"6238412"   "6245087"  <br>"6245088"   "6245089"  <br>"6258115"   "6264663"  <br>"6264672"   "6270513"  <br>"6277138"   "6277139"  <br>"6280413"   "6287321"  <br>"6290710"   "6309399"  <br>"6319268"   "6331183"  <br>"6344049"   "6383205"  <br>"6443972"   "6506205"  <br>"6551342"   "6562058"  <br>"6582447"   "6623506"  <br>"6652558"   "6689150"  <br>"RE33569").PN. |                           |    |    |                     |
| S171 | 255 | ("20020010481"  <br>"20020052626"  <br>"2002138097A1"  <br>"20030139765"  <br>"2003163159A1"  <br>"20040116959"  <br>"20050004596"  <br>"20050251197"  <br>"3472230"   "3592186"  <br>"3683904"   "3889657"  <br>"3952747"   "3996938"  <br>"4046150"   "4425908"  <br>"4447227"   "4580568"  <br>"4590938"   "4619246"  <br>"4631052"   "4643184"  <br>"4650466"   "4662885"   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/11/16<br>11:26 |

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|           |           |
|-----------|-----------|
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| "5370683" | "5376100" |
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| "6013085" | "6027520" |
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| "6051015" | "6053932" |

|      |      |   |  |    |    |                     |
|------|------|---|--|----|----|---------------------|
|      |      | "6059814"   "6066149"  <br>"6066158"   "6068645"  <br>"6080178"   "6086605"  <br>"6117154"   "6129739"  <br>"6136016"   "6142987"  <br>"6152946"   "6165200"  <br>"6168579"   "6171327"  <br>"6171328"   "6179851"  <br>"6179859"   "6179861"  <br>"6203561"   "6206868"  <br>"6214025"   "6214026"  <br>"6221006"   "6224620"  <br>"6231544"   "6231589"  <br>"6235044"   "6235045"  <br>"6238412"   "6245087"  <br>"6245088"   "6245089"  <br>"6258115"   "6264663"  <br>"6264672"   "6270513"  <br>"6277138"   "6277139"  <br>"6280413"   "6287321"  <br>"6290710"   "6309399"  <br>"6319268"   "6331183"  <br>"6344049"   "6383205"  <br>"6443972"   "6506205"  <br>"6551342"   "6562058"  <br>"6582447"   "6623506"  <br>"6652558"   "6689150"  <br>"RE33569").PN. |  |    |    |                     |
| S169 | 0    | (10/916114).APP.  | USPAT; USOCR                                       | OR | ON | 2009/11/16<br>11:25 |
| S168 | 1308 | 606/200.ccls.   | US-PGPUB   | OR | ON | 2009/11/16<br>11:02 |
| S167 | 1255 | 606/159.ccls.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/11/16<br>09:57 |
| S166 | 18   | ("3868956"   "3996938"  <br>"4655771"   "4706671"  <br>"4873978"   "4969891"  <br>"4994069"   "4998539"  <br>"5011488"   "5054501"  <br>"5071407"   "5256146"  <br>"5514176"   "5549626"  <br>"5562698"   "5688234"  <br>"5702413").PN. OR<br>("6530935").URPN.   | US-PGPUB;<br>USPAT; USOCR                          | OR | ON | 2009/11/16<br>09:56 |
| S165 | 1    | (09/170135).APP.  | USPAT; USOCR                                       | OR | ON | 2009/11/16<br>09:56 |
| S164 | 2    | "20010031980".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>09:54 |

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|------|---|-------------------|--|----|----|---------------------|
| S163 | 2 | "20060058832".pn. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR | ON | 2009/11/16<br>09:51 |
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**EAST Search History (Interference)**

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**11/ 19/ 2009 1:14:16 PM****C:\ Documents and Settings\lbachman\ My Documents\ EAST\ Workspaces\ 10-540786 - Vessel  
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